Simplicity

Parts Manual

INTERMEDIATE SNOWTHROWERS

555 SNOWTHROWERS

Mfg. No.	Description
1693980	555M, 5 HP Manual Start
1693981	555M, 5 HP Manual Start (Export)

755 SNOWTHROWERS

Mfg. No.	Description
1693983	755E, 7 HP Electric Start
1693982	755M, 7 HP Manual Start (Export)

Rev. 10/2001
TP 400-2561-00-IW-S

Simplicity

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SNOWTHOWER COMPONENTS **PAGES**

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REFERENCE INFORMATION

Torque Specification Chart.....Inside Back Cover

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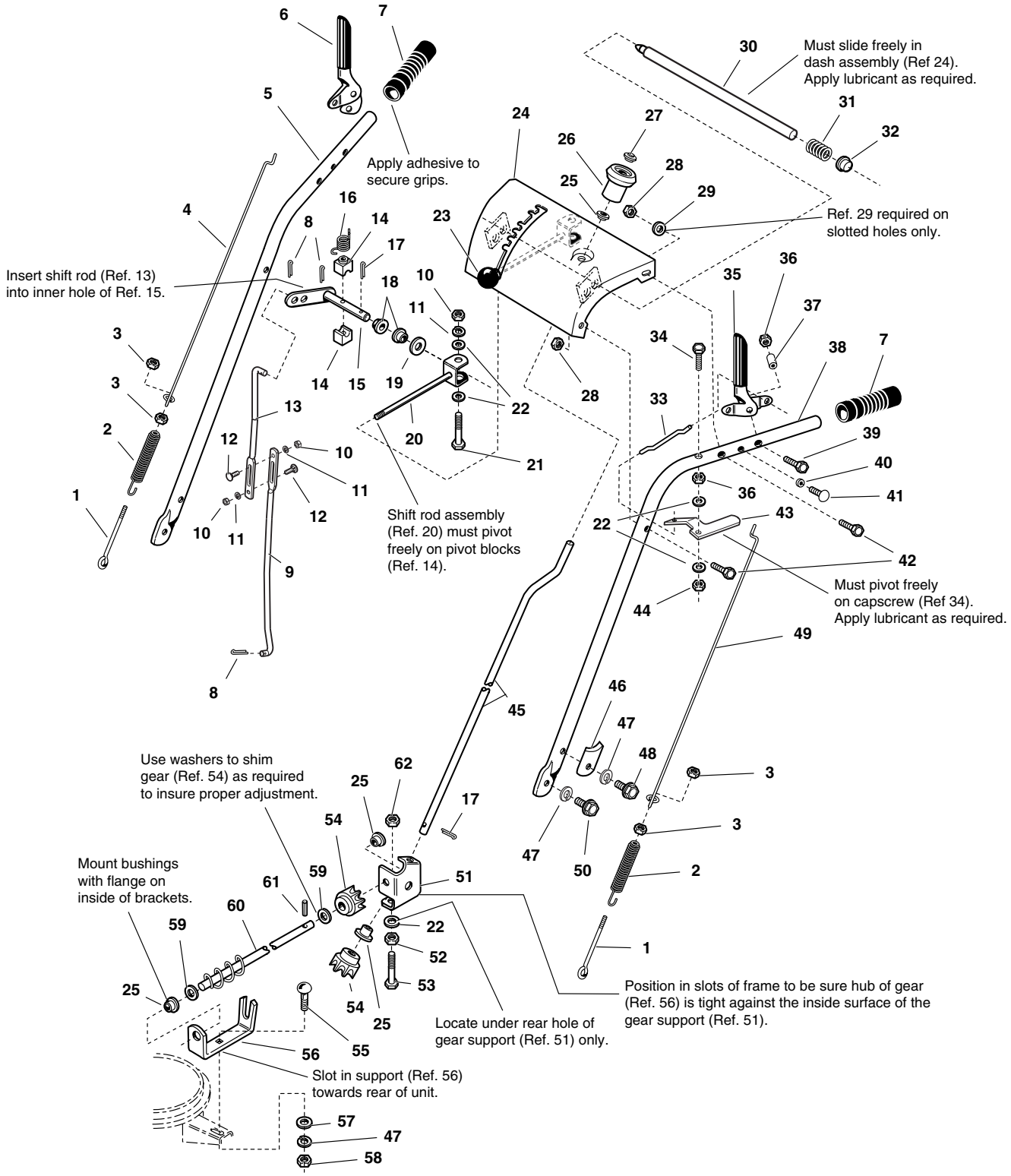
Handles and Controls Group

985917

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.


Must slide freely in dash assembly (Ref 24). Apply lubricant as required.
Apply adhesive to secure grips.
Ref. 29 required on slotted holes only.
Insert shift rod (Ref. 13) into inner hole of Ref. 15.
Shift rod assembly (Ref. 20) must pivot freely on pivot blocks (Ref. 14).
Must pivot freely on capscrew (Ref 34). Apply lubricant as required.
Use washers to shim gear (Ref. 54) as required to insure proper adjustment.
Mount bushings with flange on inside of brackets.
Locate under rear hole of gear support (Ref. 51) only.
Position in slots of frame to be sure hub of gear (Ref. 56) is tight against the inside surface of the gear support (Ref. 51).
Slot in support (Ref. 56) towards rear of unit.

The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

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Handles and Controls Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1668525	2	ROD, Control, Lower
2	1669323	2	SPRING, Extension
3	1916621	4	NUT, Hex, #10-24 R.H.
4	1715132	1	CLUTCH ROD, Auger Drive
5	1722636	1	HANDLE, R.H. (Auger Control side)
6	1722638	1	LEVER, Auger Clutch, R.H.
7	1676954	2	GRIP, Black Vinyl, for 1Ó Tube
8	1918447	3	PIN, Cotter
9	1666255	1	ROD, Shift, Lower
10	1916622	3	NUT, Hex Hd., 1/4-20
11	1916964	3	LOCKWASHER, Spring
12	1960252	2	CARRIAGE BOLT, 1/4-20 x 5/8 G5
13	1720238	1	ROD, Shift, Upper
14	1668524	2	BLOCK, Pivot
15	1720240	1	ROD & ARM ASMY, Pivot
16	1715123	1	SPRING, Torsion
17	1918452	2	PIN, Cotter
18	1668185	2	BUSHING
19	1924361	1	WASHER
20	1668523	1	ROD & CLEVIS ASSY.
21	1921159	1	CAPSCREW, Hex Hd., 1/4-20 x 2-1/4
22	1921319	3	WASHER, Flat 1/4
23	172038	1	KNOB, Internal Thread, 3/8-16
24	1722627	1	DASHBOARD & SUPPORT ASSAMBLY
25	1667588	4	BUSHING, Nylon
26	1714084	1	KNOB, Chute Control Spinner
27	1960093	1	NUT, Push, 3/8
28	1919438	4	NUT, Hex Lock ESNA Light, 5/16-18
29	1919326	2	WASHER, Flat 5/16
30	1722633	1	ROD & SPRING ASSEMBLY
31	1722690	1	SPRING, Compression
32	1960519	1	NUT, Push for 1/2" Stud
33	1722630	1	ROD, Free hand Control
34	1921962	1	CAPSCREW, Hex Head, 1/2-20 x 1 3/4
35	1722667	1	LEVER, L.H. (Traction Drive Clutch)
36	1923358	3	NUT, Hex, Centerlock, 1/4-20
37	1715655	2	SPACER, Large
38	1722637	1	HANDLE, L.H. (Traction Drive Control side)
39	1922837	2	CAPSCREW, Hex Hd., 1/4-20 x 1-1/2
40	1715654	2	SPACER, Small
41	1960556	2	CAPSCREW, Taptite, Pan Hd., Torx, 1/4-20 x 3/4
42	1921221	4	CAPSCREW, Hex Hd. 5/16-18 x 1-1/2
43	1722631	1	LEVER, Pivot
44	1920397	2	NUT, Hex Lock ESNA Light, 1/4-20
45	1715658	1	ROD, Chute Control
46	1720452	2	CLAMP, Tube, Saddle
47	1917356	5	LOCKWASHER, 5/16
48	1922127	2	CAPSCREW, Hex Hd. 5/16-18 x 1 3/4
49	1715659	1	CLUTCH ROD, Traction Drive
50	1921332	2	CAPSCREW, Hex Hd. 5/16-18 x 3/4

Footnotes:

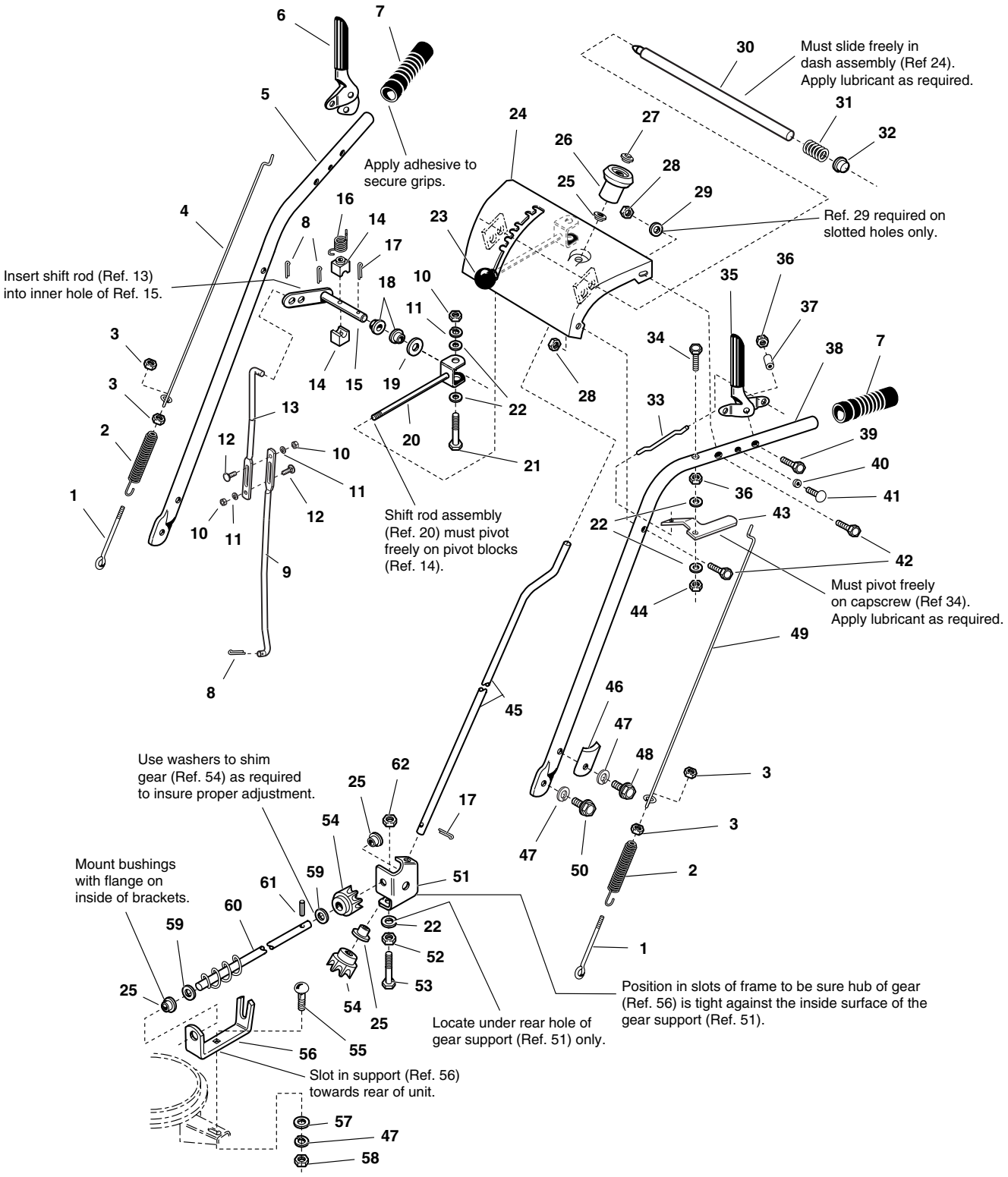
The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

Handles and Controls Group

985917

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.


Must slide freely in dash assembly (Ref 24). Apply lubricant as required.
Apply adhesive to secure grips.
Ref. 29 required on slotted holes only.
Insert shift rod (Ref. 13) into inner hole of Ref. 15.
Shift rod assembly (Ref. 20) must pivot freely on pivot blocks (Ref. 14).
Must pivot freely on capscrew (Ref 34). Apply lubricant as required.
Use washers to shim gear (Ref. 54) as required to insure proper adjustment.
Mount bushings with flange on inside of brackets.
Position in slots of frame to be sure hub of gear (Ref. 56) is tight against the inside surface of the gear support (Ref. 51).
Locate under rear hole of gear support (Ref. 51) only.
Slot in support (Ref. 56) towards rear of unit.

The above parts group applies to the following Mfg. Nos.:

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1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
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Handles and Controls Group

REF NO.	PART NO.	QTY.	DESCRIPTION
51	1718793	1	SUPPORT, Gear
52	1960518	2	NUT, Push
53	1960252	4	CARRIAGE BOLT, 1/4-20 x 5/8 G5
54	1718593	2	GEAR, Steel, Universal (Supersedes Plastic Gear)
55	1931333	1	CARRIAGE BOLT, 5/16-18 X 3/4
56	1715099	1	BRACKET, Worm Support
57	1919326	1	WASHER, Flat 5/16
58	1917372	1	NUT, Hex, 5/16-18
59	1960103	1	WASHER, Flat 3/8
60	1715117	1	WORM ASSEMBLY
61	916168	1	PIN, Spring
62	1960294	2	NUT, Hex Flange, Whiz Lock Small, 1/4-20

Footnotes:

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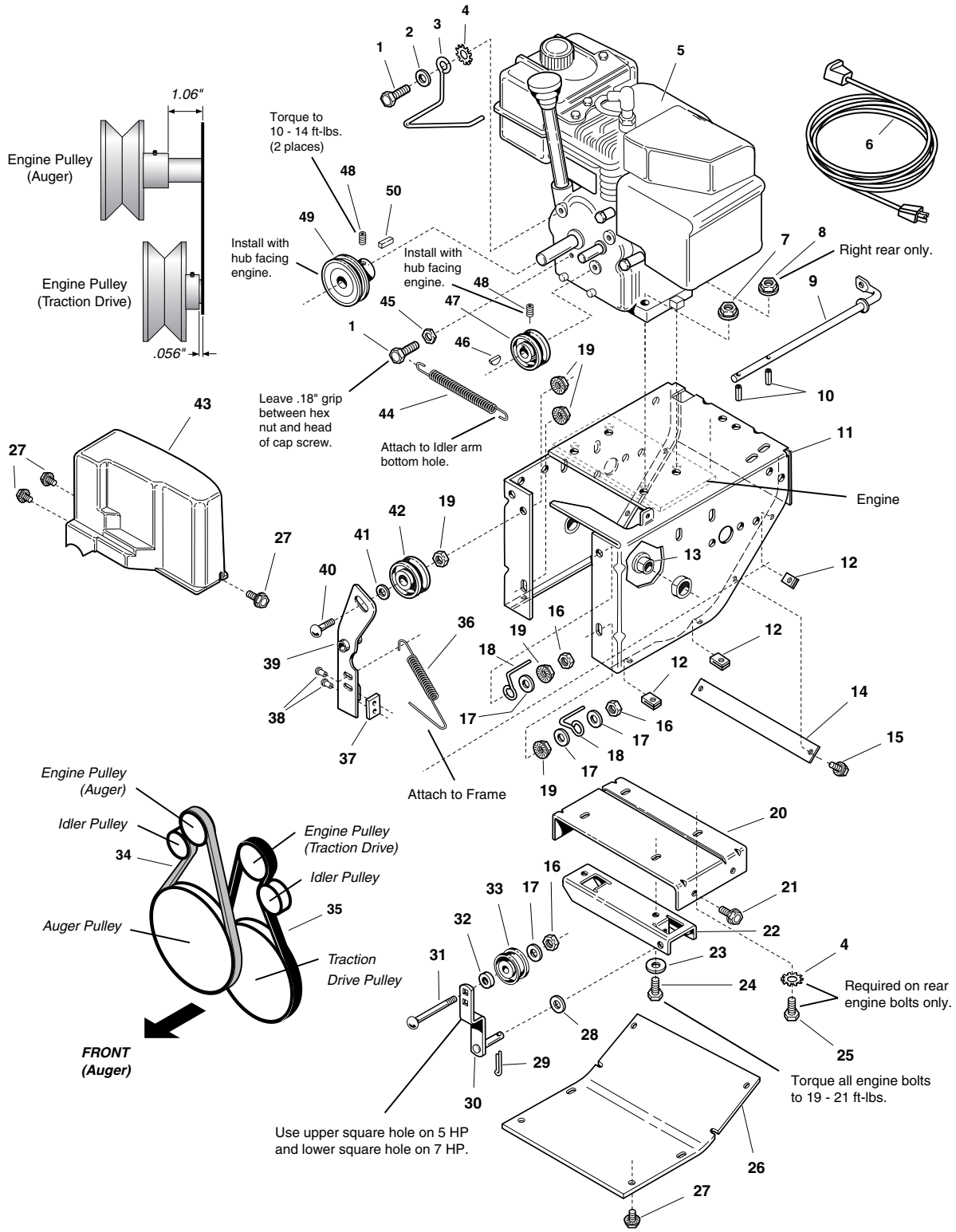
1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

Frame and Engine Group

985620

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.


1.06"
Engine Pulley (Auger)
Engine Pulley (Traction Drive)
.056"
Torque to 10 - 14 ft-lbs. (2 places)
Install with hub facing engine.
Install with hub facing engine.
Leave .18" grip between hex nut and head of cap screw.
Attach to Idler arm bottom hole.
Right rear only.
Engine
Attach to Frame
Engine Pulley (Auger)
Idler Pulley
Engine Pulley (Traction Drive)
Idler Pulley
Auger Pulley
Traction Drive Pulley
FRONT (Auger)
Required on rear engine bolts only.
Torque all engine bolts to 19 - 21 ft-lbs.
Use upper square hole on 5 HP and lower square hole on 7 HP.

The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

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Frame and Engine Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1921515	2	CAPSCREW, Hex Hd., 5/16-24 x 3/4
2	1924874	1	WASHER, 5/16
3	1715136	1	BELT STOP
4	1920427	2	LOCKWASHER, External Tooth, 3/8
5	*	1	555M 5 HP ENGINE, Tecumseh, Manual Start, (Models 1693980 & 1693981) Engine Model # HSSK 50 Engine Type # 67261S
5	*	1	755M 7 HP ENGINE, Tecumseh, Electric Start (Model 1693983) Engine Model # OHSK 70 Engine Type # 72523D
5	*	1	755M 7 HP OHV ENGINE, Tecumseh, Manual Start (Model 16933982) Engine Model # OHSK 50 Engine Type # 72513B
6	**	1	CORD, Electric Start (1693983)
7	1931277	3	NUT, Hex, Flange Whizlock, 5/16-18
8	931277	1	NUT, Hex Flange Whiz Lock, 5/16-18
9	1715092	1	ROD, Idler
10	916169	2	PIN, Spring
11	1720229	1	FRAME
12	1926018	6	NUT, Speed 1/4-20
13	1666001	2	BUSHING
14	1715559	1	TIE BAR SUPPORT
15	1929477	2	CAPSCREW, Taptite, #10-24 x 1/2
16	1960251	3	NUT, Hex, Jam, Center-lock, 3/8-16
17	1924940	4	WASHER, Flat
18	1674315	2	GUIDE, Belt
19	1930645	4	NUT, Hex, Flange, Locking, 3/8-16
20	1715756	1	FRAME BRACKET
21	1924856	4	CAPSCREW, Taptite, 5/16-18 X 1/2
22	1715111	1	SUPPORT, Pivot
23	1919381	2	WASHER
24	1922127	3	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
25	1922127	1	CAPSCREW, Hex Head, 5/16-18 x 1 3/4 G5
26	1715137	1	COVER, Bottom
27	1925003	9	CAPSCREW, Taptite, 1/4-20 x 1/2
28	1925125	1	WASHER, Flat 15/32
29	1918451	1	PIN, Cotter
30	1715112	1	ARM & SHAFT ASSY., Idler
31	1960268	1	CARRIAGE BOLT, 3/8-16 X 1-1/4
32	174870	1	SPACER
33	118414	1	PULLEY, Idler - Traction Drive
34	1717393	1	V-BELT, 4L, Auger Drive
35	1715127	1	V-BELT, 3L Traction Drive, (1693980 & 1693981)
35	1720234	1	V-BELT, 3L Traction Drive (1693982 & 1693983)
36	1715118	1	SPRING, Extension
37	1669313	1	PAD, Brake
38	925160	2	RIVET, Pop
39	1717319	1	ARM & HUB ASSY., Idler/Brake (Includes Ref. 37 and 38)
40	1931353	1	CARRIAGE BOLT, 3/8-16 x 1-3/4
41	1922755	1	WASHER, 3/8
42	1668477	1	PULLEY, Idler - Auger Drive
43	1715434	1	COVER, Belt, (1693980 & 1693981)
43	1720403	1	COVER, Belt, (1693982 & 1693983)

Footnotes:

* See your local Tecunseh distributor for service parts.

** Not a servicable part.

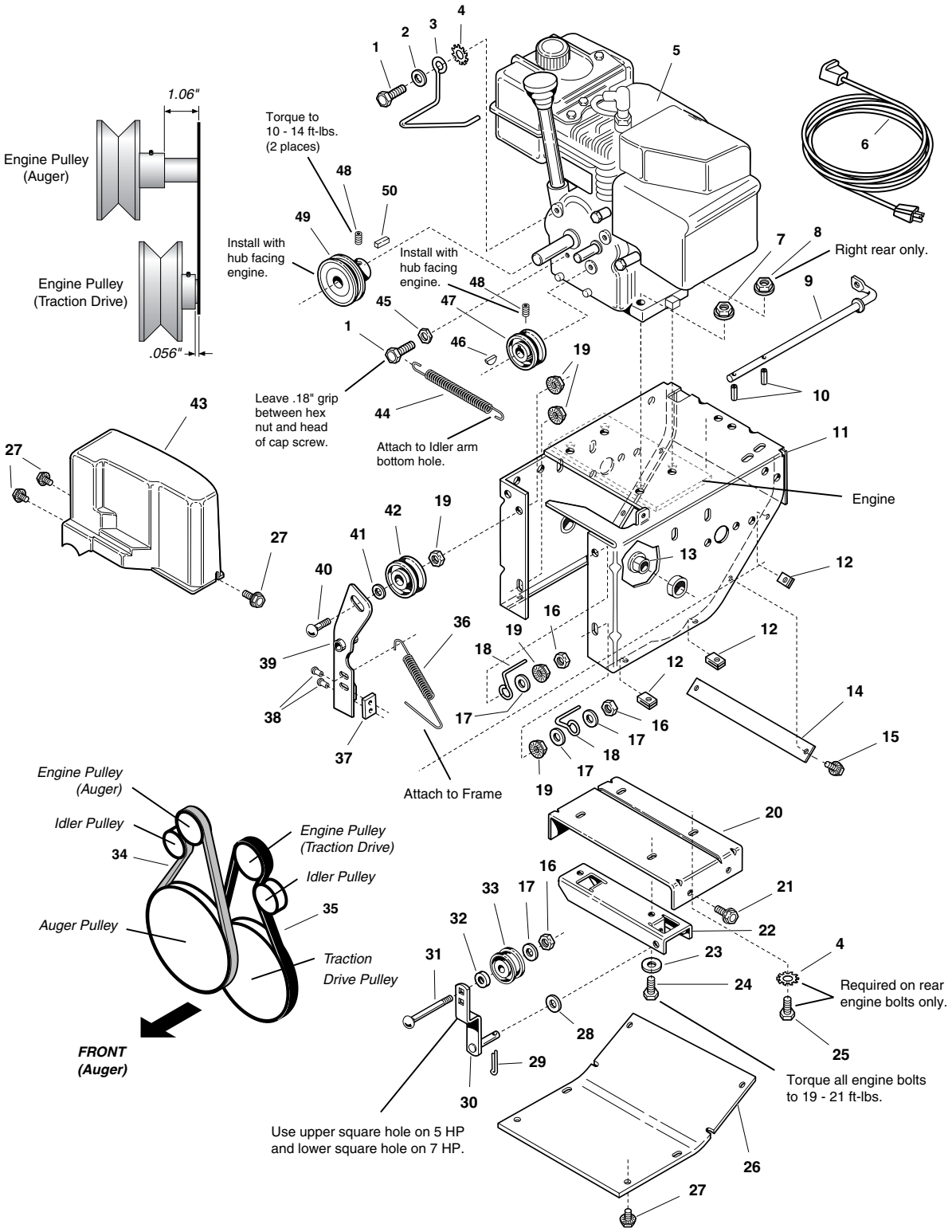
The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

Frame and Engine Group

E985919

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.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Engine Pulley (Traction Drive)
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Install with hub facing engine.
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Right rear only.
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Attach to Frame
Engine Pulley (Auger)
Idler Pulley
Engine Pulley (Traction Drive)
Idler Pulley
Auger Pulley
Traction Drive Pulley
FRONT (Auger)
Required on rear engine bolts only.
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Frame and Engine Group

REF NO.	PART NO.	QTY.	DESCRIPTION
44	1720237	1	SPRING, Extension
45	920438	1	NUT, Hex, Jam, 5/16-24
46	924819	1	KEY, Hi-Pro, 1/8 x 5/8
47	1674325	1	PULLEY, Engine - Traction Drive
48	1960619	2	SET SCREW, Hex Socket Cup Point, 5/16-18 x 5/16
49	1720313	1	PULLEY, Engine - Auger Drive
50	905850	1	KEY, Parallel, 3/16 x 3/16

Footnotes:

The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

Auger Drive and Impeller Group

985496

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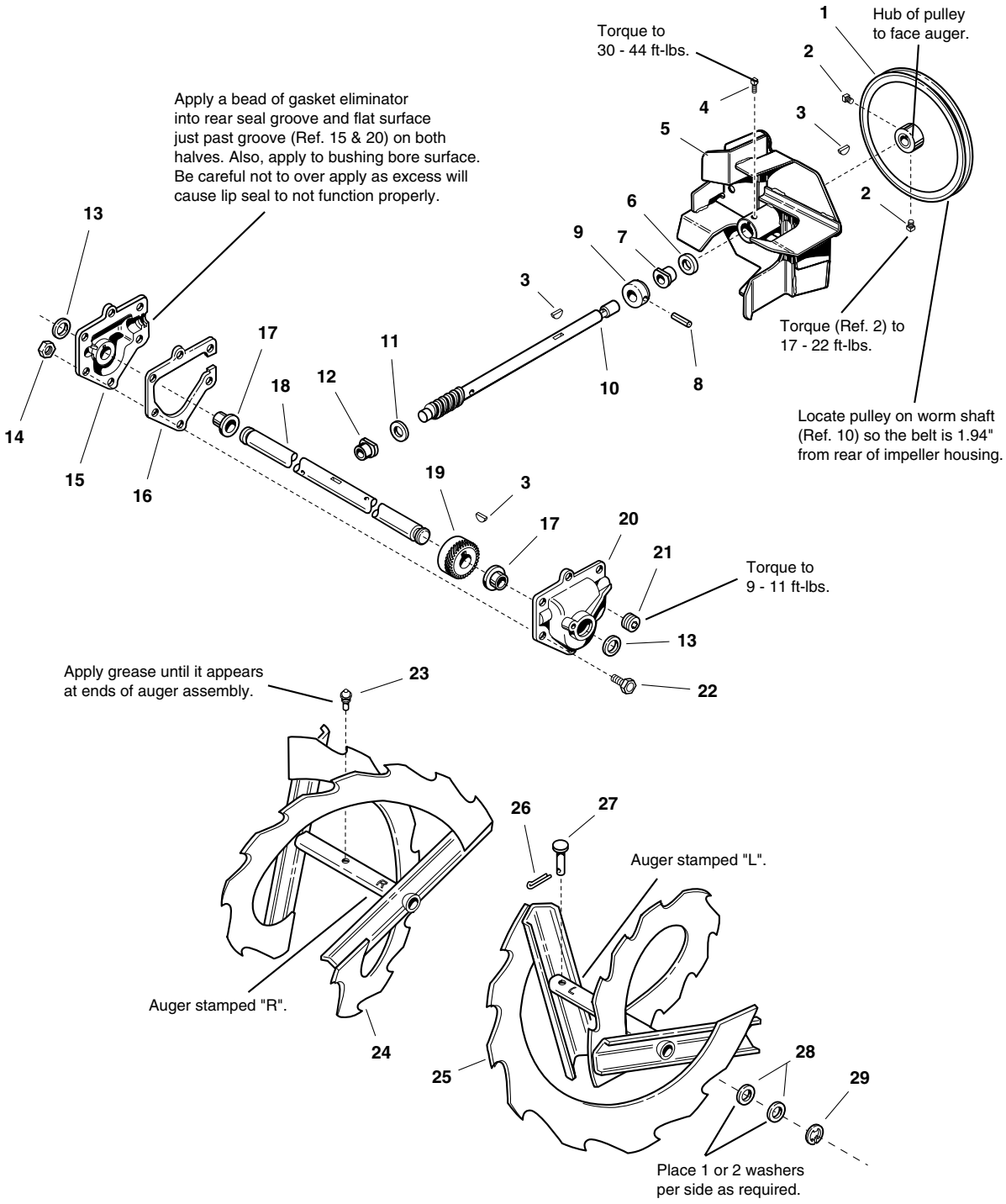

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Auger Drive and Impeller Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1715091	1	PULLEY,Auger Drive
2	1930540	2	SETSCREW, Square Head Cup Point, 3/8-18 x 5/8
3	905123	3	KEY, Woodruff 3/16 x 3/4
4	1960474	1	SETSCREW, Square Head Cup Point, 3/8-16 x 1/2
5	1715120	1	IMPELLER
6	1612093	1	SEAL, Oil
7	1666425	1	BUSHING
8	936098	1	PIN, Drive-Lock 3/16 x 1-1/2
9	1721680	1	THRUST COLLAR
10	1660240	1	SHAFT, Worm
11	1670971	1	WASHER, Thrust
12	1666424	1	BUSHING
13	1676027	2	SEAL, Oil
14	1923358	6	NUT, Lock, 1/4-20
15	1721684	1	GEAR CASE COVER, R.H.
16	1721676	1	GASKET
17	1676026	2	BUSHING
18	1716127	1	SHAFT, Auger
19	1676024	1	GEAR, Worm
20	1721685	1	GEAR CASE COVER, L.H.
21	960625	1	PIPE PLUG, 1/8 NPT
22	1924009	6	CAPSCREW, Hex Hd. 1/4-20 x 7/8
23	921133	2	GREASE FITTING
24	1718781	1	AUGER, R.H. 22", Serrated
25	1718780	1	AUGER, L.H. 22", Serrated
26	1918447	2	PIN, Cotter 3/32 x 3/4
27	1668344	2	PIN, Shear
28	1960114	4	WASHER
29	927794	2	RING, Retaining

Footnotes:

The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

Auger Housing and Chute Group

985918

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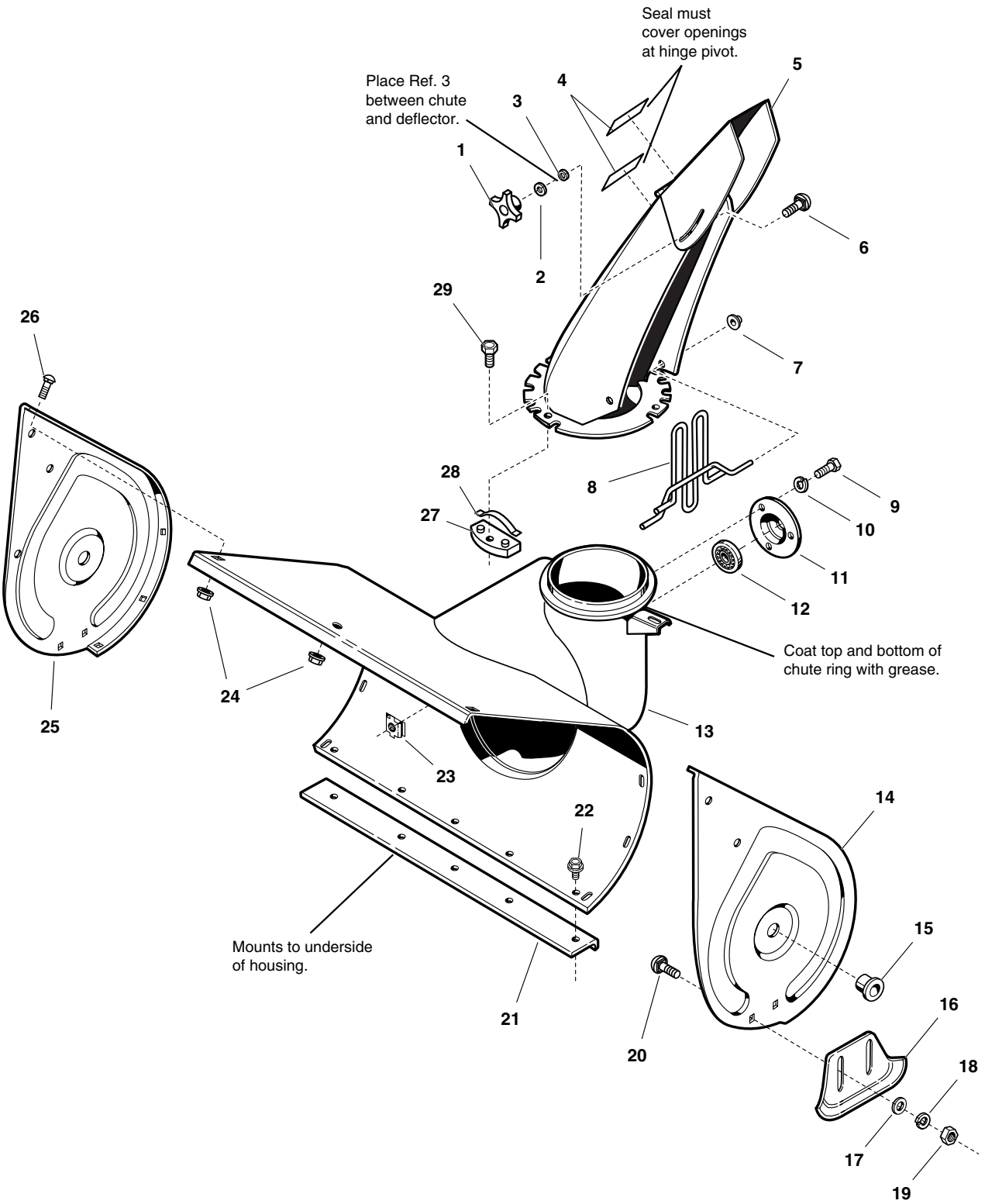

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Auger Housing and Chute Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1670578	1	KNOB
2	1919326	1	WASHER, Flat, 5/16
3	960210	1	WASHER, Nylon
4	1706085	2	DECAL, Hinge, Orange
5	1715115	1	CHUTE & DEFLECTOR ASSEMBLY
6	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
7	1960126	2	NUT, Push Pas, 1/4
8	1612455	1	CHUTE, Guard
9	1925205	4	CAPSCREW, Hex Hd. 5/16-18 x 5/8
10	1917356	3	LOCKWASHER, 5/16
11	1665982	1	RETAINER, Bearing
12	108202	1	BEARING, Ball
13	1722687	1	HOUSING ASSEMBLY
14	1722649	1	AUGER PLATE, L.H. End
15	1666001	2	BUSHING
16	177434	2	SKID, Snowthrower (Set of 2 available under PN 1685501)
17	1924940	4	WASHER, Flat,13/32 x 7/8 x 5/64
18	1916965	4	LOCKWASHER, 3/8
19	1916950	4	NUT, Hex Hd. 3/8-16
20	1931348	4	CARRIAGE BOLT, 3/8-16 x 3/4
21	1675080	1	BLADE, Scraper
22	1927428	5	CAPSCREW, Taptite, 1/4-20 x 3/8
23	1930659	3	NUT, Retainer, 5/16-18
24	1930641	12	NUT, Hex Flange, Whiz-Lock, 1/4-20
25	1722650	1	AUGER PLATE, R.H. End
26	1931315	11	CARRIAGE BOLT, 1/4-20 x 1/2
27	1666613	2	HOLD DOWN, Chute
28	1667865	2	SPRING, Flat
29	1960001	2	CAPSCREW, Hex Washer Hd., Plastite #10-14 x 5/8

Footnotes:

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1693983 755E, 7HP Electric Start

Traction Drive Group

984936

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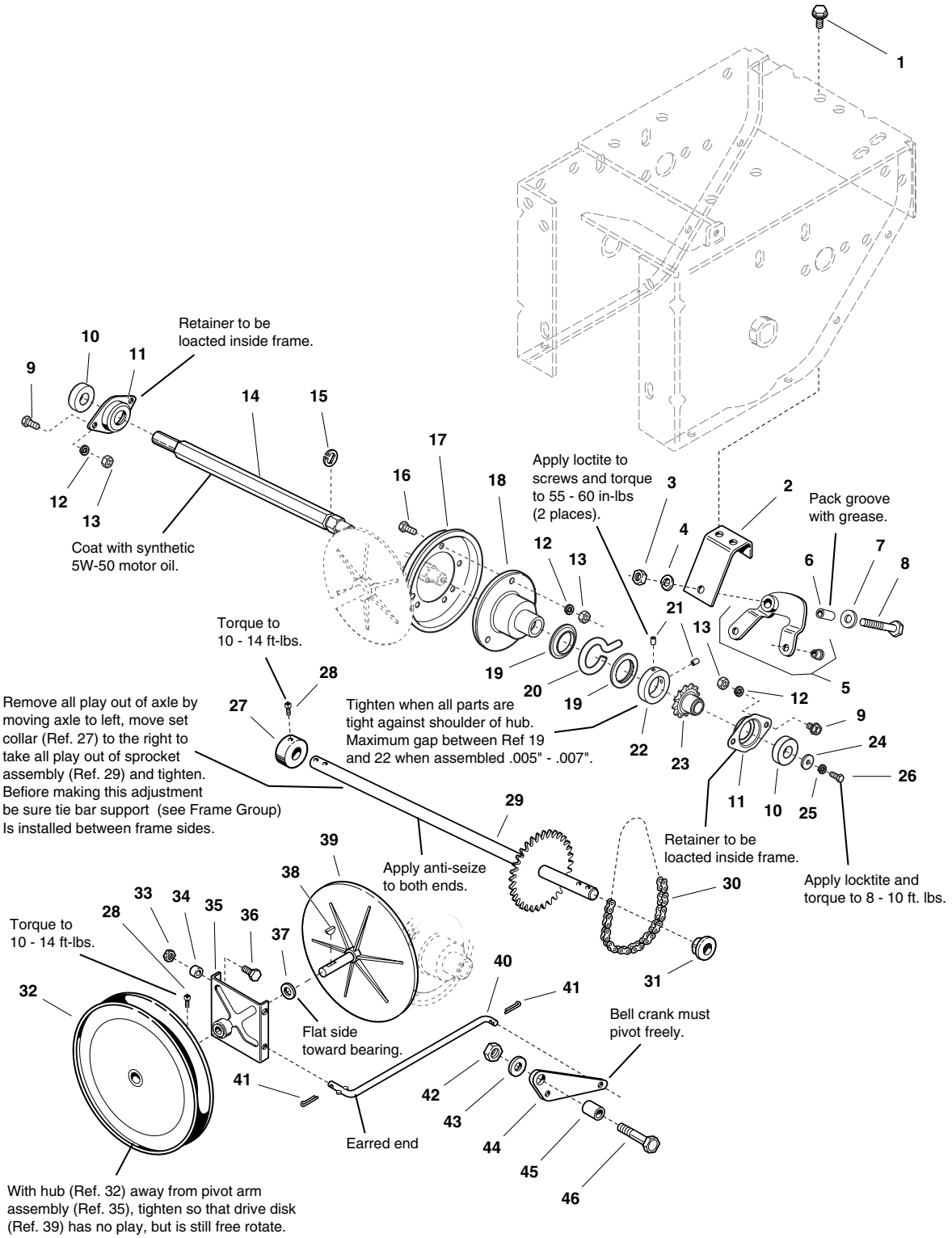

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1693982 755M, 7HP Manual Start (Exp.)
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Traction Drive Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1930601	3	CAPSCREW, Taptite, 5/16-18 x 5/8
2	1673994	1	BRACKET
3	1916950	1	NUT, Hex, 3/8-16
4	1916965	1	LOCKWASHER, 3/8
5	1669256	1	SHIFT ARM ASSY, w/Bushing
6	1666114	1	BUSHING
7	1924940	1	WASHER
8	1923701	1	CAPSCREW, Hex Hd., 3/8-16 x 2
9	1925205	3	CAPSCREW, Hex Hd., 5/16-18 x 5/8
10	1722703	2	BEARING, Ball
11	1667341	2	RETAINER, Bearing
12	1917356	7	LOCKWASHER, 5/16
13	1917372	7	NUT, Hex 5/16-18
14	1715093	1	SHAFT, Hex
15	927794	1	E-RING, Retaining
16	1921332	3	CAPSCREW, Hex. Hd. 5/16-18 x 3/4
17	1665975	1	DISC,Friction
18	1665995	1	HUB, Friction Disc
19	1678956	2	COLLAR, Thrust
20	1666207	1	PIN, Loop
21	1960348	2	SET SCREW, Hex Skt. Cup Pt.1/4-20 x 3/8
22	1667335	1	COLLAR, Set
23	1715094	1	SPROCKET, 10T
24	1960353	1	WASHER, Flat,
25	1916964	1	LOCKWASHER, 1/4
26	1923341	1	CAPSCREW, Hex Hd., 1/4-20 x 3/4
27	8021010	1	COLLAR, Set
28	1928721	2	SET SCREW, Square Head Cup Point, 5/16-18 x 1/2
29	1715095	1	AXLE & SPROCKET ASSY.
30	1715130	1	CHAIN, Roller, #40 x 25
31	1715101	1	BUSHING
32	1715253	1	PULLEY, Traction
33	1935048	2	NUT, Centerlock, Hex Flange Hd., 5/16-18
34	1665844	2	SPACER
35	1715734	1	PIVOT ASSY.
36	1925205	2	CAPSCREW, Hex Hd. 5/16-18 x 5/8
37	1666379	1	WASHER
38	930672	1	KEY,Hi-Pro
39	1719879	1	DRIVE, Disc,w/Spindle
40	1715131	1	PIVOT ROD
41	1918451	2	PIN, Cotter 1/8 x 3/4
42	1919438	1	NUT, Hex Lock, Esna, 5/16-18
43	1919326	1	WASHER, Flat
44	1700473	1	BELLCRANK
45	1666106	1	BUSHING
46	1922127	1	CAPSCREW, Hex Hd. 5/16-18 x 1-3/4

Footnotes:

The above parts group applies to the following Mfg. Nos.:

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Decals Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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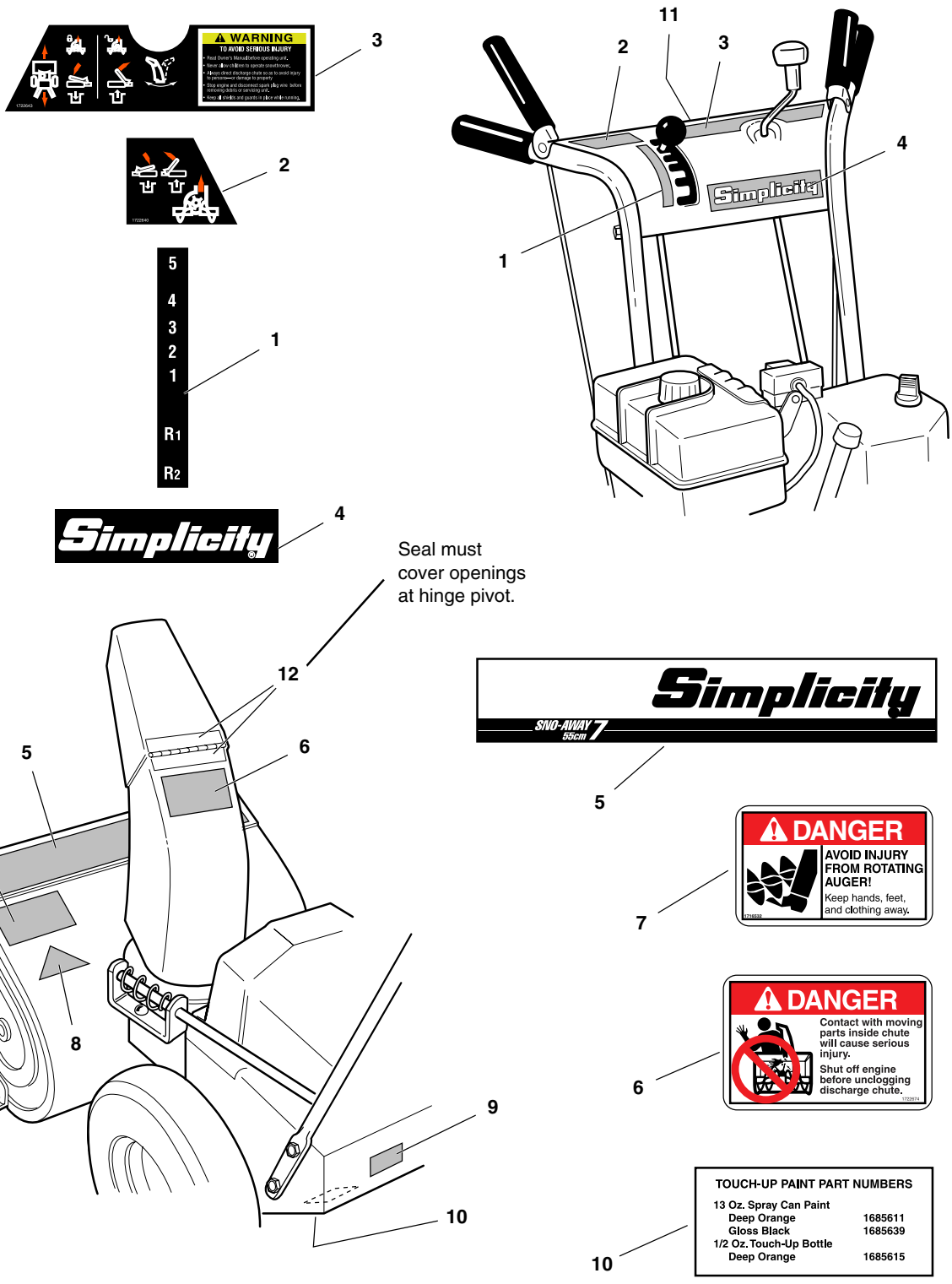

The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

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Decals Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1715557	1	DECAL, Speed Selector
2	1722640	1	DECAL, Auger Control
3	1722643	1	DECAL, Warning / Main Dash Panel
4	1715558	1	DECAL, Simplicity Logo
5	1714107	1	DECAL, 755
5	1714108	1	DECAL, 555
6	1722674	1	DECAL, Danger, Discharge Chute
7	1716532	1	DECAL, Danger, Auger
8	*	1	DECAL, OPEI (Not Serviced)
9	*	1	I.D. Tag (Not serviced)
10	1720454	1	DECAL, Touch-up Paint ID
11	1722867	1	DECAL, Handle Lubrication
12	1706085	2	DECAL, Hinge, Orange

Footnotes:

* Not a serviceable part.

The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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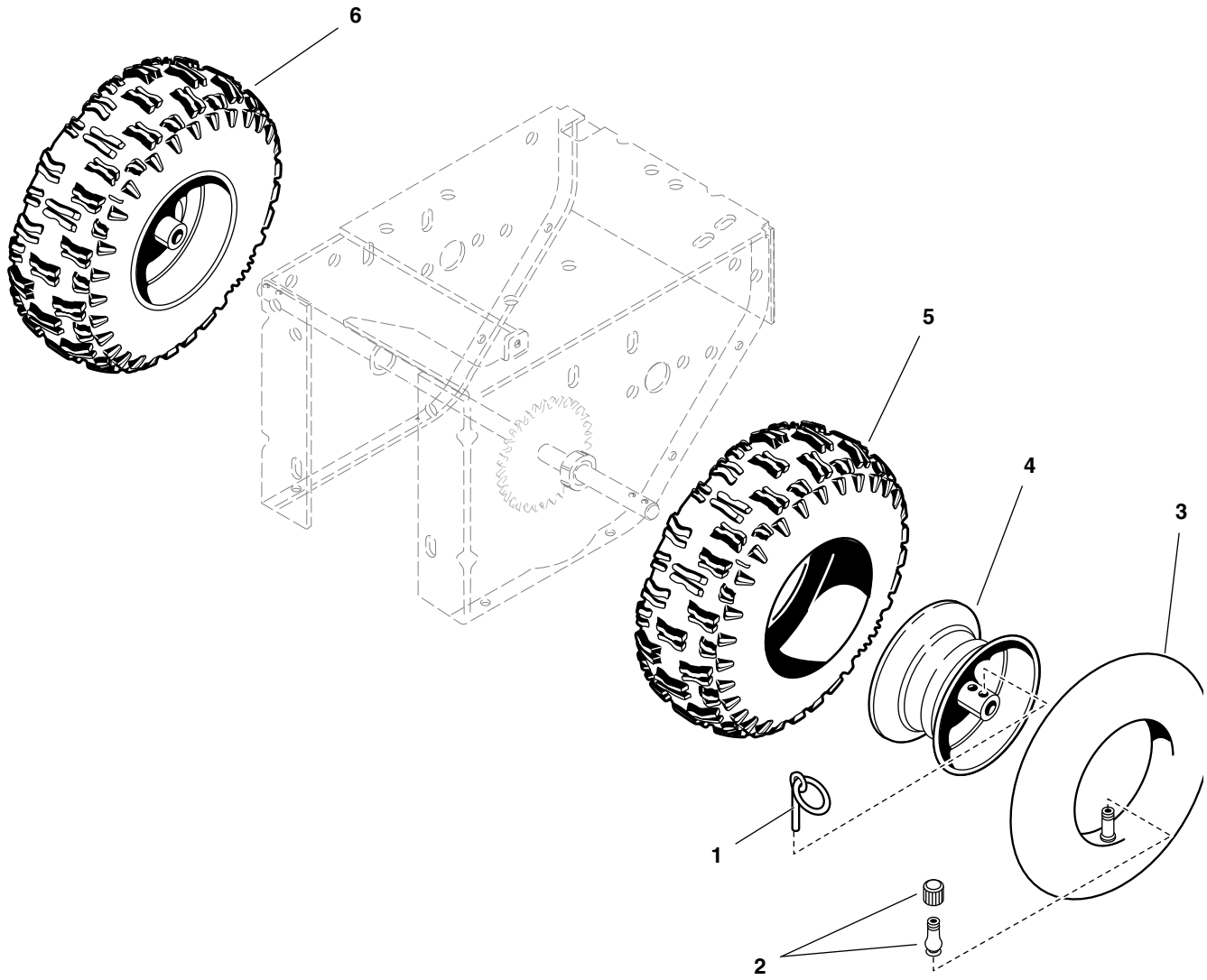

The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
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1693982 755M, 7HP Manual Start (Exp.)
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Wheels and Tires Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	1666969	2	KLIK-PIN
2	172353	2	VALVE STEM & CAP
3	1664090	2	TUBE, Tire
4	1715125	2	*WHEEL
4	1723286	2	**WHEEL
5	1715126	2	*TIRE
5	1723287	2	**TIRE
6	1715124	2	*WHEEL & TIRE ASSEMBLY, (Includes Ref. 2-5)
6	1723169	2	**WHEEL & TIRE ASSEMBLY, (Includes Ref. 2-5)

Footnotes:

* Serial number break 1693980 (SN 1 - 84) 1693981 (SN 1) 1693982 (SN 1 - 17) 1693983 (SN 1 - 794)

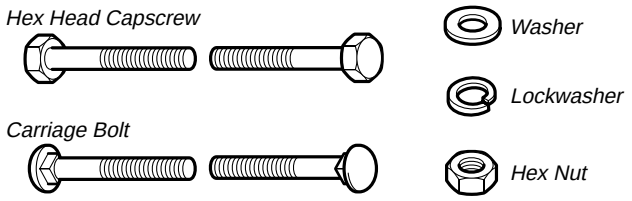
** Serial number break 1693980 (SN 85 and above) 1693981 (SN 2 and above) 1693982 (SN 18 and above) 1693983 (SN 795 and above) When replacing reference 6 with 1715124 with 1723169 you must replace both tires because the difference in tire size is 1 in. (14” to 15”).

The above parts group applies to the following Mfg. Nos.:

1693980 555M, 5HP Manual Start
1693981 555M, 5HP Manual Start (Exp.)
1693982 755M, 7HP Manual Start (Exp.)
1693983 755E, 7HP Electric Start

Hardware Identification & Torque Specifications

Common Hardware Types

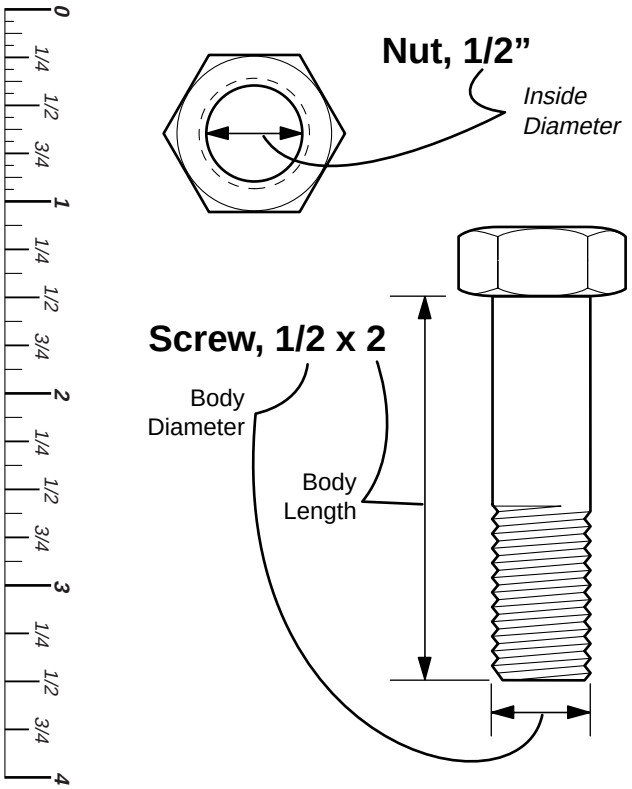


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	**in/lbs** **ft/lbs**	Nm.
8-32	*19*	2.1	*30*	3.4	*41*	4.6
8-36	*20*	2.3	*31*	3.5	*43*	4.9
10-24	*27*	3.1	*43*	4.9	*60*	6.8
10-32	*31*	3.5	*49*	5.5	*68*	7.7
1/4-20	*66*	7.6	**8**	10.9	**12**	16.3
1/4-28	*76*	8.6	**10**	13.6	**14**	19.0
5/16-18	**11**	15.0	**17**	23.1	**25**	34.0
5/16-24	**12**	16.3	**19**	25.8	**27**	34.0
3/8-16	**20**	27.2	**30**	40.8	**45**	61.2
3/8-24	**23**	31.3	**35**	47.6	**50**	68.0
7/16-14	**30**	40.8	**50**	68.0	**70**	95.2
7/16-20	**35**	47.6	**55**	74.8	**80**	108.8
1/2-13	**50**	68.0	**75**	102.0	**110**	149.6
1/2-20	**55**	74.8	**90**	122.4	**120**	163.2
9/16-12	**65**	88.4	**110**	149.6	**150**	204.0
9/16-18	**75**	102.0	**120**	163.2	**170**	231.2
5/8-11	**90**	122.4	**150**	204.0	**220**	299.2
5/8-18	**100**	136	**180**	244.8	**240**	326.4
3/4-10	**160**	217.6	**260**	353.6	**386**	525.0
3/4-16	**180**	244.8	**300**	408.0	**420**	571.2
7/8-9	**140**	190.4	**400**	544.0	**600**	816.0
7/8-14	**155**	210.8	**440**	598.4	**660**	897.6
1-8	**220**	299.2	**580**	788.8	**900**	1,244.0
1-12	**240**	326.4	**640**	870.4	**1,000**	1,360.0

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Wrench & Fastener Size Guide

1/4" Bolt or Nut
Wrench—7/16"

5/16" Bolt or Nut
Wrench—1/2"

3/8" Bolt or Nut
Wrench—9/16"

7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"

1/2" Bolt or Nut
Wrench—3/4"